Index of Claims

| Applica | tion/Co | ntrol | No. |
|---------|---------|-------|-----|
|---------|---------|-------|-----|

10/672,228 Examiner

Date

Applicant(s)/Patent under Reexamination

BERGELSON ET AL.

Art Unit

Dana D. Greene

3762

√ Rejected
= Allowed

_ (Through numeral) Cancelled

Claim

Restricted

Non-Elected

Interference

A Appeal
O Objected

| Claim Date | | | | | | | 1 | | | |
|------------|--|--|--|--|----------|--------------|----------|-------------------------------------|----------|--------------|
| Cla | | Date | | | | | | | | |
| Final | Original | 4/4/05 | 777777777777777777777777777777777777777 | | | | | | | |
| - | 1 | 1 | 1 | | | | | | | |
| | 1 2 3 4 5 6 7 | 1 | 7 | | | | | | | |
| | 3 | 1 | 1 | | | | | | | |
| | 4 | 1 | 1 | | | | | | | |
| | 5 | 1 | Į, | _ | | | | _ | \perp | Ш |
| | 6 | 1 | Ľ | _ | | | | _ | | |
| | 7 | 1 | 7 | | | | | | | H |
| - | 0 | N I | 7 | | | | | \vdash | \vdash | <u> </u> |
| | 10 | J | Ì | \vdash | - | | _ | _ | \vdash | - |
| | 11 | Ì | ∀ | H | | - | | | | |
| | 12 | Ì | Ì | | _ | - | | | | - |
| | 9 10 11 12 13 14 15 16 17 18 | ファ | 1 | † | | \Box | | Т | П | П |
| | 14 | 1 | 1 | | | | | | | |
| | 15 | 1 | V | | | | | | | |
| | 16 | 1 | 1 | | | | | | | |
| | 17 | 1 | 1 | | | | | | | |
| | 18 | 1 | 1 | | | | | | | _ |
| | 19 | V | 1 | _ | L | _ | | | _ | |
| | 20 | 1 | 1 | _ | <u> </u> | | L | L | _ | _ |
| | 21 | 1 | 1 | _ | _ | <u> </u> | | _ | _ | ļ |
| | 22 | 1 | 1 | <u> </u> | <u> </u> | | _ | | <u> </u> | <u> </u> |
| | 23 | V ./ | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | - | - | ├ | _ | | - | <u> </u> |
| | 25 | 1 | 7 | ├ | - | ┝ | _ | | - | \vdash |
| | 26 | H | ۲ | | ┢ | \vdash | _ | | | \vdash |
| | 27 | - | ┢ | \vdash | \vdash | \vdash | _ | - | \vdash | - |
| | 20 21 22 23 24 25 26 27 28 29 | T | | ┪ | | \vdash | | | | |
| | 29 | | Г | | | | | | | |
| | 30 | | | | | | | | | |
| | 31 32 33 | | | | | | | | | |
| | 32 | | | _ | | | | | | ļ |
| | 33 | | <u> </u> | <u> </u> | <u> </u> | L_ | <u> </u> | Ь. | <u> </u> | <u> </u> |
| | 34 35 | ↓ _ | <u> </u> | <u> </u> | _ | | | <u> </u> | <u> </u> | <u> </u> |
| | 35 | ├- | | <u> </u> | _ | | | <u> </u> | ┝ | \vdash |
| | 36 37 | _ | - | - | - | | | | ⊢ | \vdash |
| | 38 | \vdash | \vdash | - | ├ | | | ⊢ | ┝ | ┝ |
| | 39 | - | \vdash | ┢ | - | ┝╌ | | H | ┝ | |
| | 40 | | | - | \vdash | | | H | ┢ | |
| | 41 | | Г | | | | | | | |
| | 42 | | | | | | | L | | |
| | 43 | | | | | | | | | |
| | 44 | _ | <u> </u> | | | | | L_ | <u> </u> | $oxed{\Box}$ |
| | 45 | L_ | | <u> </u> | <u> </u> | | | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | L | <u> </u> |
| | 46 | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | <u> </u> | oxdot | <u> </u> |
| | 47 | | ⊢ | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| | 48 | - | \vdash | ⊢ | | <u> </u> | _ | <u> </u> | ⊢ | ├— |
| | 49 | - | <u> </u> | | \vdash | \vdash | _ | <u> </u> | | <u> </u> |

| Te | Ula | Claim | | Date | | | | | | | | |
|---|----------|----------|----------|----------|--|----------|----------|-------------------|----------|----------|------------|--|
| 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | Final | Original | | | | | | | | | | |
| 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | | 51 | | | | | | | | | | |
| 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | — | 57 | - | _ | | - | _ | \vdash | H | _ | | |
| 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | | 52 | \vdash | _ | ┝ | \vdash | | | | | _ | |
| 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | | 53 | _ | Щ | _ | | | Щ | | | | |
| 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | L | 54 | | L | | | | _ | | | | |
| 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | | 55 | | | L | | | | | | | |
| 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 99 | | 56 | | | | | | | | | | |
| 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 99 | | 57 | | | | | | | | | | |
| 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 99 | | 58 | | | | | | | | | | |
| 60 61 62 63 64 65 66 67 68 69 70 71 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | | 59 | | | Г | | | | | | | |
| 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | | 60 | | | \vdash | H | | | _ | | | |
| 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | | 61 | | \vdash | \vdash | - | | | | | | |
| 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | | 62 | ⊢ | ┝ | | - | \vdash | - | | | | |
| 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | | 62 | \vdash | \vdash | | - | - | H | Ь. | H | | |
| 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | <u> </u> | 03 | <u> </u> | \vdash | \vdash | \vdash | \vdash | H | _ | | - | |
| 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 | — | 64 | <u> </u> | <u> </u> | <u> </u> | <u> </u> | \vdash | \vdash | | L. | ļ | |
| 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 | | 65 | L | <u> </u> | L | <u> </u> | <u> </u> | Ь. | | Щ. | Ш | |
| 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 | | 66 | | | | L | | | | | Ш | |
| 70 71 72 73 74 75 76 77 78 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 93 94 95 96 97 98 | | 67 | | | l | [| | | | | | |
| 70 71 72 73 74 75 76 77 78 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 93 94 95 96 97 98 | | 68 | | | | | | | | | | |
| 70 71 72 73 74 75 76 77 78 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 93 94 95 96 97 98 | | 69 | | | | Π | | | | | | |
| 71 72 73 74 75 76 76 77 78 79 80 81 81 82 83 84 85 86 87 88 89 90 91 91 92 93 94 95 96 97 98 | | 70 | | | | | | | | | | |
| 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 | | 71 | | | | | Г | | | | | |
| 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 | | 72 | _ | _ | | Т | | \vdash | | Т | _ | |
| 76 | | 73 | | | | _ | | | - | | | |
| 76 | | 74 | | Н | \vdash | ┢ | - | | | _ | | |
| 76 | ļ . | 75 | | \vdash | _ | _ | _ | | | | | |
| 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 | | 76 | | H | | <u> </u> | _ | | | | | |
| 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 | | 77 | - | | | | Т | | | | Ė | |
| 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 93 94 95 96 97 | | 78 | _ | _ | | _ | Г | Г | | Г | Г | |
| 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 93 94 95 96 97 | | 79 | | | | ┢ | - | \vdash | \vdash | \vdash | \vdash | |
| 81 82 83 84 85 86 87 88 89 90 91 91 92 93 93 94 95 96 97 98 | - | 80 | | | | | H | \vdash | \vdash | | | |
| 82 83 84 85 86 87 88 89 90 91 91 92 93 93 94 95 96 97 98 | | 01 | \vdash | - | - | | | \vdash | | <u> </u> | | |
| 84 85 86 87 88 89 90 91 92 93 93 94 95 96 97 98 | — | 01 | | - | - | ⊢ | | - | | | _ | |
| 84 85 86 87 88 89 90 91 92 93 93 94 95 96 97 98 | - | 02 | | | | ⊢ | | \vdash | | \vdash | H | |
| 85 86 87 88 89 90 91 92 93 93 94 95 96 97 98 | <u> </u> | 83 | _ | _ | _ | | <u> </u> | <u> </u> | ļ | _ | | |
| 86 87 88 89 90 90 91 92 93 93 94 95 96 97 98 99 99 | - | 84 | | _ | <u> </u> | ⊢ | - | ⊢- | | <u> </u> | - | |
| 87 88 89 90 91 92 93 94 95 96 97 98 | | 85 | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | \vdash | <u> </u> | <u> </u> | | |
| 89 90 91 92 93 94 95 96 97 98 99 | | 86 | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | Ш | |
| 89 90 91 92 93 94 95 96 97 98 99 | | 87 | <u> </u> | ļ | ļ | <u> </u> | | _ | | | \vdash | |
| 90 91 92 93 94 95 96 97 98 99 | L | 88 | <u> </u> | L_ | <u> </u> | <u> </u> | <u> </u> | \vdash | <u> </u> | <u> </u> | | |
| 92 93 94 95 96 97 98 99 | | 89 | _ | _ | <u> </u> | _ | _ | L | ļ | _ | | |
| 92 93 94 95 96 97 98 99 | | 90 | <u> </u> | _ | | | <u> </u> | _ | | | <u> </u> | |
| 93 94 95 96 97 98 99 | | | ļ | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | _ | \vdash | |
| 94 95 96 97 98 99 | | 92 | | | | | <u> </u> | $ldsymbol{f eta}$ | L | _ | L_ | |
| 95 96 97 98 99 | <u> </u> | 93 | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | \vdash | <u> </u> | <u> </u> | |
| 96 97 98 99 | <u> </u> | | L_ | L | L_ | _ | | <u> </u> | | | \vdash | |
| 97 98 99 | | 95 | <u> </u> | <u> </u> | | <u> </u> | <u> </u> | _ | <u> </u> | | <u> </u> | |
| 98 99 | <u> </u> | | L | | _ | _ | <u> </u> | | | | lacksquare | |
| 99 | <u> </u> | | | | | | <u> </u> | _ | <u> </u> | <u> </u> | <u> </u> | |
| | | 98 | | | | <u></u> | 匚 | L | | _ | <u> </u> | |
| 100 | | | L | <u>L</u> | | <u> </u> | | L_ | L | <u> </u> | <u> </u> | |
| | L | 100 | | | L_ | <u> </u> | L | | L_ | | L | |

| Claim | | Date | | | | | | | | |
|----------|---|----------|----------|--|--|--|----------------|----------|----------------|-----------------|
| | | | | | | | | | | |
| <u>a</u> | Original | | | | | | | | | |
| Final | rig | | | | | | | | | |
| | 0 | | | | | | | | | |
| | 101 | | | \vdash | Н | | | _ | | |
| | 102 | | | | | | | _ | | |
| , | 101 102 103 104 105 106 | \vdash | _ | | ┢ | | | | | |
| | 104 | | - | 一 | <u> </u> | | | | | |
| | 105 | | _ | | _ | _ | | - | | |
| | 106 | | _ | | _ | _ | | | | |
| | 107 | | _ | | - | | | | | |
| | 108 | | | Н | | Г | | _ | | |
| | 108 109 | Г | | T | | | | | | |
| | 110 | | | H | | | | | | |
| | 111 | П | Г | | | | | Г | | |
| | 112 | | | T | T | | П | Г | | \dashv |
| | 113 | | Т | 1 | | | | Н | Н | |
| | 111 112 113 114 115 | П | \vdash | T | \vdash | \vdash | | \vdash | Н | |
| | 115 | \vdash | \vdash | \vdash | | \vdash | Т | \vdash | | - |
| | 116 | Н | \vdash | \vdash | ┢ | | Н | | Н | \dashv |
| | 116 117 118 | \vdash | \vdash | T | \vdash | \vdash | Н | \vdash | \vdash | \dashv |
| | 118 | | ┢ | \vdash | \vdash | H | \vdash | | \vdash | \vdash |
| | 119 | | <u> </u> | H | \vdash | \vdash | \vdash | | \vdash | \vdash |
| | 120 | - | - | - | | ┢─ | - | \vdash | ├ | \vdash |
| | 121 | - | | - | \vdash | - | - | - | ├─ | Н |
| | 122 | \vdash | | ⊢ | - | - | \vdash | - | - | \dashv |
| | 123 | - | | - | \vdash | - | - | - | - | \dashv |
| | 119 120 121 122 123 124 125 126 127 128 129 | - | _ | - | ╁ | \vdash | - | \vdash | ┢ | \vdash |
| | 125 | \vdash | _ | ⊢ | ┢ | \vdash | \vdash | \vdash | ┢ | Н |
| | 126 | - | _ | ┝ | \vdash | \vdash | - | \vdash | \vdash | \vdash |
| | 127 | | | ┢ | ╁ | | - | \vdash | ┢ | \vdash |
| | 128 | \vdash | \vdash | ├ | \vdash | - | \vdash | \vdash | | \vdash |
| | 120 | ├ | _ | ┢╌ | \vdash | ┢ | H | \vdash | ┢ | \vdash |
| | 130 | | | - | - | - | ┝ | ┝ | | - |
| | 130 131 132 133 134 | \vdash | | | ⊢ | \vdash | _ | \vdash | \vdash | \vdash |
| | 132 | | | | - | - | - | ├─ | ├ | \vdash |
| | 132 | \vdash | _ | ⊢ | ┢ | \vdash | _ | <u> </u> | - | |
| | 133 | - | - | - | - | - | | - | ├─ | |
| | 135 | - | | ├ | | - | - | - | - | |
| | 135 136 | ┝╌ | \vdash | ┝ | ⊢ | ⊢ | _ | ⊢ | \vdash | \dashv |
| | 137 | ┝ | \vdash | H | ┝ | ┢ | - | H | ┝ | Н |
| | 137 | ⊢ | ├ | \vdash | ⊢ | ⊢ | - | ⊢ | H | \dashv |
| | 138 139 | \vdash | - | \vdash | \vdash | - | - | ⊢ | ├ | \dashv |
| | 140 | | ļ | | | ├ | | \vdash | \vdash | Н |
| | 140 | \vdash | \vdash | - | \vdash | \vdash | - | \vdash | ├ | Н |
| | 141 | - | | ├- | - | ⊢ | - | ├ | - | \dashv |
| | 142 | \vdash | <u> </u> | \vdash | - | - | \vdash | - | ├ | $\vdash\vdash$ |
| | 143 | - | <u> </u> | \vdash | | \vdash | ├ | - | ├— | Н |
| | 144 | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | Н |
| | 145 | ├ | ├ | | <u> </u> | <u> </u> | | ļ | _ | Н |
| | 146 | ├— | ├ | | - | | - | <u> </u> | — | $\vdash \dashv$ |
| | 147 | - | <u> </u> | ├- | - | - | | <u> </u> | · | Ш |
| | 148 | | ⊢ | ⊢ | 1 | ⊢ | <u> </u> | <u> </u> | _ | Щ |
| | 149 | \vdash | \vdash | - | - | <u> </u> | <u> </u> | ⊢ | <u> </u> | Щ |
| L | 150 | L_ | L | <u> </u> | L | <u> </u> | <u> </u> | L | | Ш |